

MODELS: Phillips CT-2, 2 POLB

T.C. NUMBER: 731

Engine	Phillips 333
Placard limits	For all operations, 2100 rpm (120 hp)
Propeller	Static rpm at maximum permissible throttle setting - Not more than 1870 - Not less than 1870
	Diameter - Not more than 98 inches - Not less than 81 inches
Placard speeds	Level flight or climb - 125 mph True Ind. Glide or dive - 154 mph True Ind.
Fuel capacity	20 gallons (2 tanks in upper wing) (-8.5)
Oil capacity	2 gallons (-41)
No. passengers	1 (+7) or (+36.5) (See NOTE 2)
Baggage	None
Standard weight	1578 lbs.
C.G. range	(-2.3) (26.2 percent MAC) to (-0.5) (30.4 percent MAC) (See NOTE 6)
MAC	44 in. L.E. MAC (-13.81)
Leveling means	Raise tail until top longeron in rear cockpit is level
specification basis	Type Certificate No. 731
Serial numbers	101 and up eligible (See NOTE A)

EQUIPMENT: (Datum is lower wing leading edge)

Class I:

101.	Propeller - wood (fixed pitch) with hub	25 lbs.	(-83)
102.	6.00-6 wheels (Hayes 600M) with brakes and 4-ply tires	28 lbs.	(-20)
103.	Steerable tail wheel and tire (Drawing No. 5340)	5 lbs.	(+163)
104.	Oil cooler (Flexo Manufacturing Company Drawing No. 537)	5 lbs.	(-41)
105.	Carburetor air heater (Drawing No. 5592)	1 lb.	(-71)
106.	Battery (Burgess Uniplex 6V) (See NOTE 3)	15 lbs.	(-35)

Class II:

200. Miscellaneous items as listed under this number in approved weight and balance report.

Class III:

None

NOTE A. Prior to original certification, each aircraft must satisfactorily pass:

(a) An inspection for workmanship, materials and conformity before any covering, metal priming or final finish is applied. All woodwork

- may be varnished.
- (b) A final inspection of the completed aircraft.
- (c) Check of flight characteristics.

NOTE 1. Eligible for export as follows, subject to inspection for equipment specified in Chapter XII of Inspection Handbook:

- (a) Canada
 - Landplane
 - Skiplane - not eligible.
- (b) All other countries except Australia, Great Britain and New Zealand.

NOTE 2. Placard-front cockpit, "Solo flying from rear seat only."

NOTE 3. Battery is required for balance only. It may be removed subject to a check of C.G. range.

NOTE 4. Placard rear cockpit, "Fasten seat belt in empty seat before take-off."

NOTE 5. Aircraft Operation Record for Serial No. 101 must include the following placard: "Intentional Spinning Prohibited."

NOTE 6. Eligible for certification with hatch enclosure as designation 2 PCLB when revised tail surfaces and tail cone are installed in accordance with manufacturer's drawing P-1000. Elevator tab area also should be increased by 5 square inches.

- (a) Standard weight 1512 lbs.
- (b) C.G. range (-1.13) (28.8 percent MAC) to (+0.12) (31.7 percent MAC)